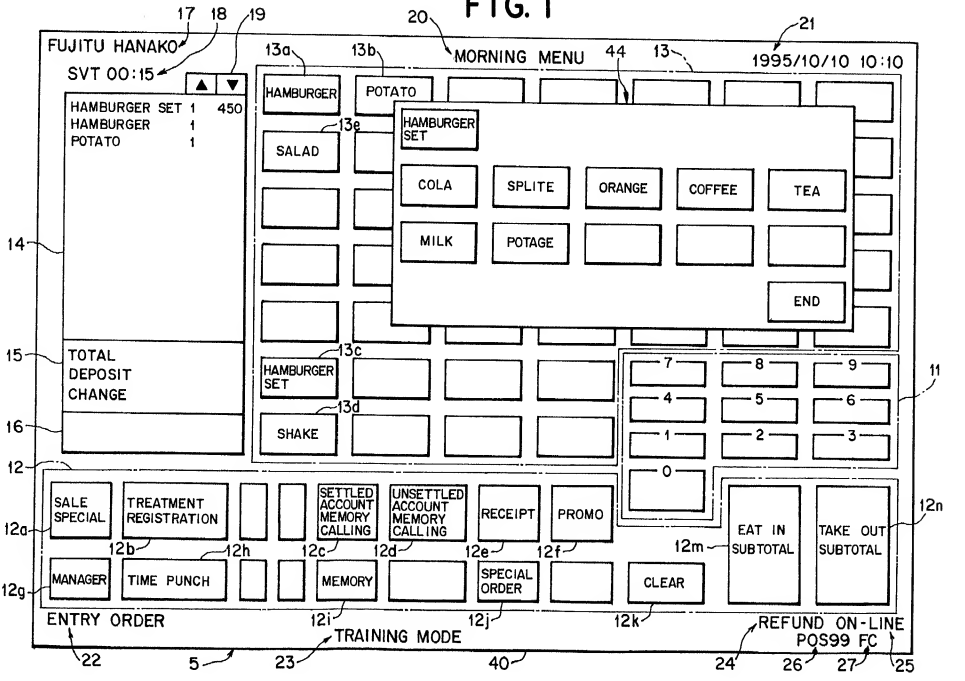
TOSTADO5840660

FIG. 1



TOSTCO'OSBIOGGO

FIG. 2

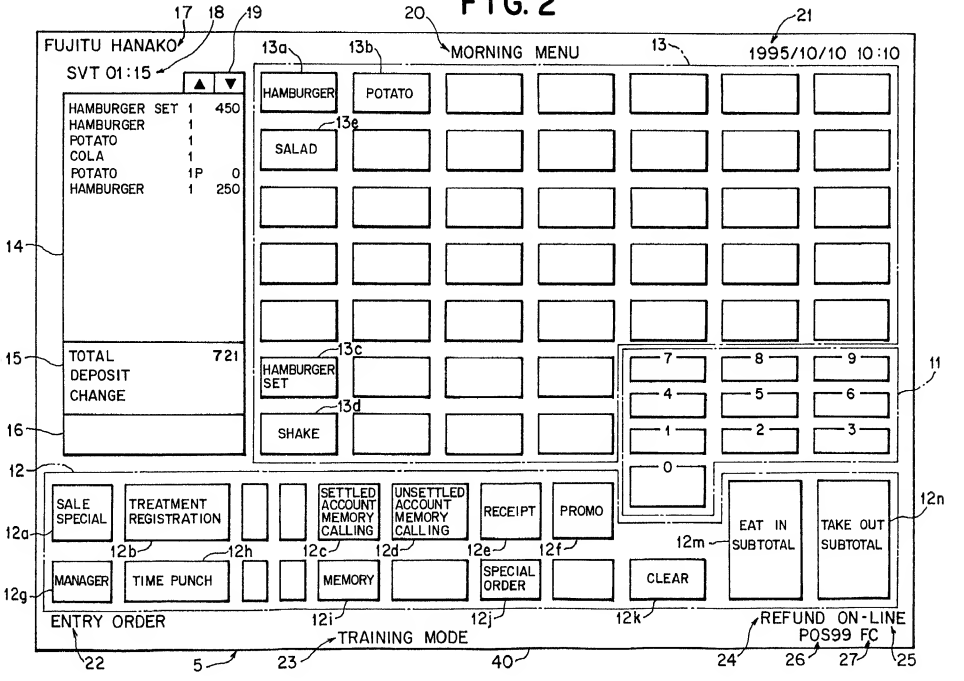


FIG. 3

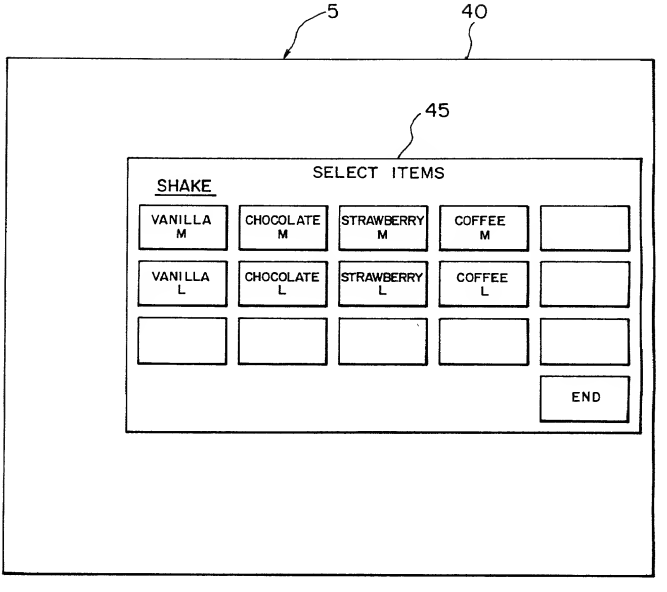
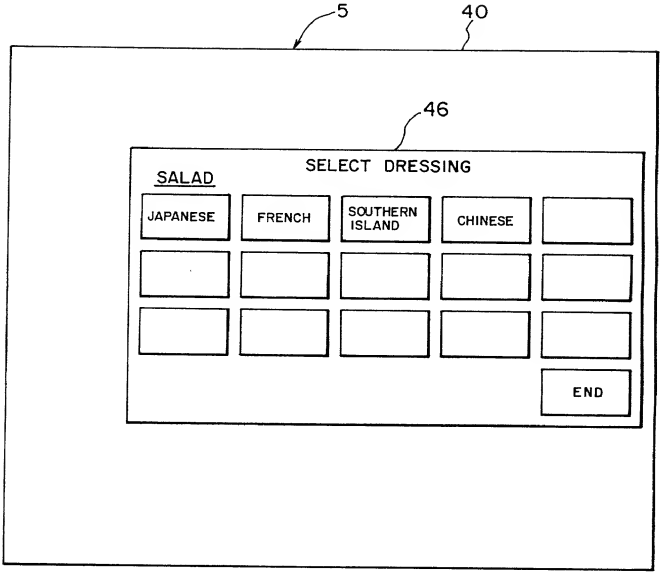
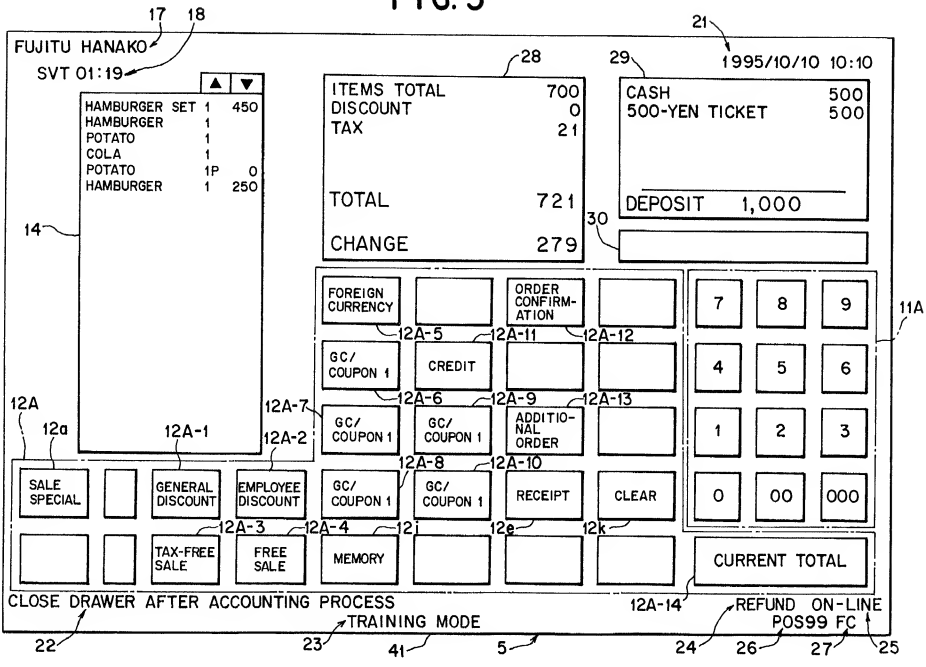

5
40
45
SELECT ITEMS
SHAKE
VANILLA M
CHOCOLATE M
STRAWBERRY M
COFFEE M
VANILLA L
CHOCOLATE L
STRAWBERRY L
COFFEE L
END

FIG. 4


5
40
46
SELECT DRESSING
SALAD
JAPANESE
FRENCH
SOUTHERN ISLAND
CHINESE
END

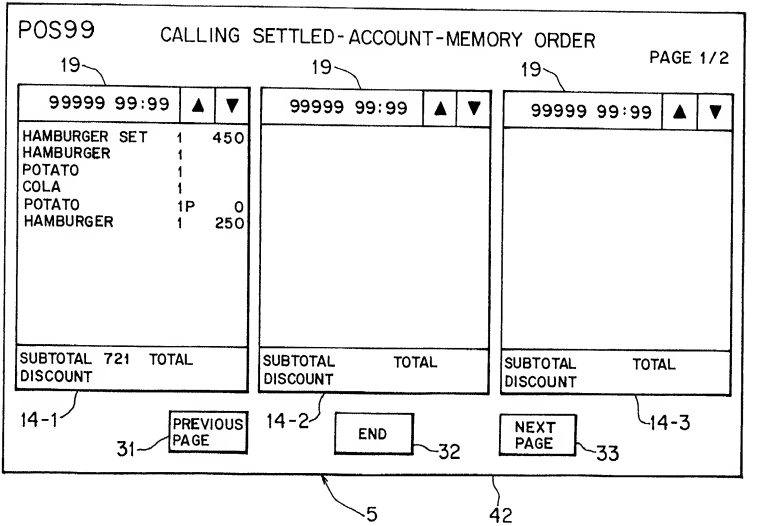
TOSTCO'0550660

FIG. 5



POS120 05840660

FIG. 6



TOSTEM 0538060

FIG. 7

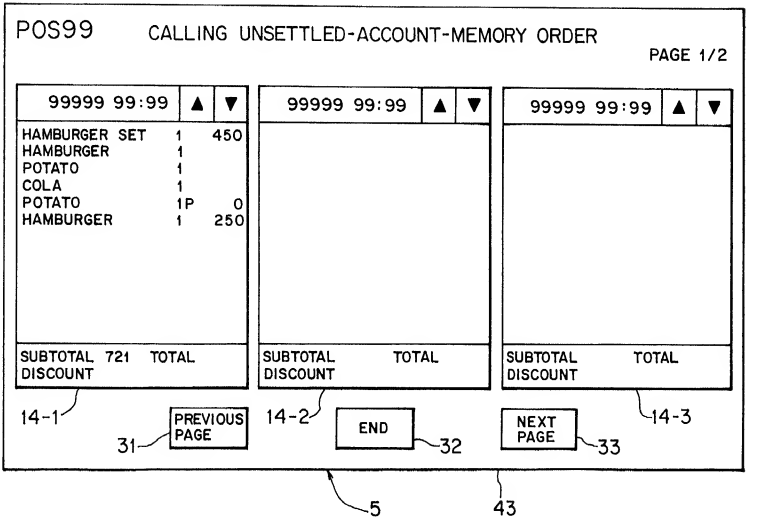


FIG. 8

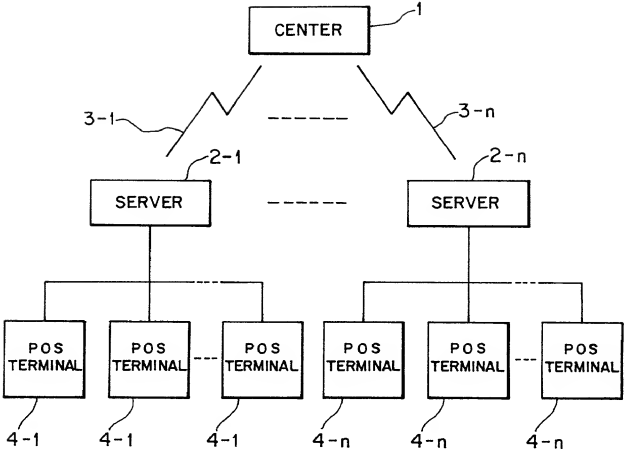

CENTER
1
3-1
3-n
2-1
2-n
SERVER
SERVER
POS TERMINAL
POS TERMINAL
POS TERMINAL
POS TERMINAL
POS TERMINAL
POS TERMINAL
4-1
4-1
4-1
4-n
4-n
4-n

FIG. 9

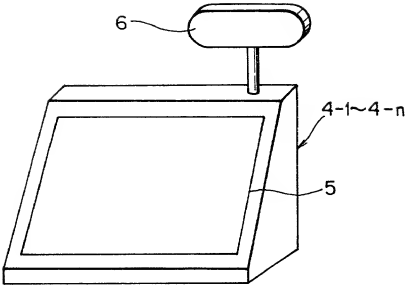


FIG. 10

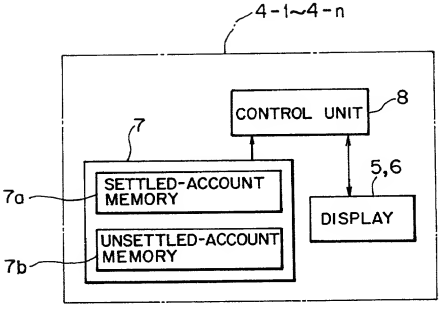
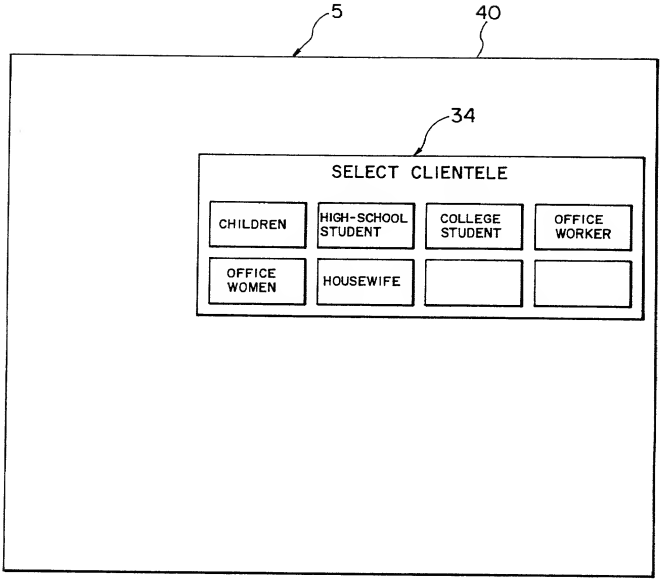
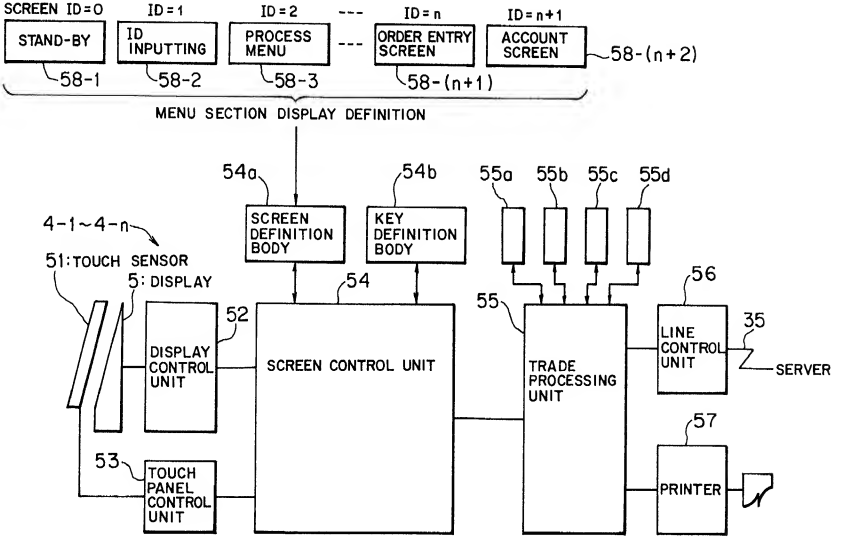

4-1~4-n
CONTROL UNIT
8
7
5,6
SETTLED-ACCOUNT MEMORY
7a
DISPLAY
UNSETTLED-ACCOUNT MEMORY
7b

FIG. 11


5
40
34
SELECT CLIENTELE
CHILDREN
HIGH-SCHOOL STUDENT
COLLEGE STUDENT
OFFICE WORKER
OFFICE WOMEN
HOUSEWIFE

0980850 '0Z'1E0

FIG. 12



TOSTAR 05510660

FIG. 13

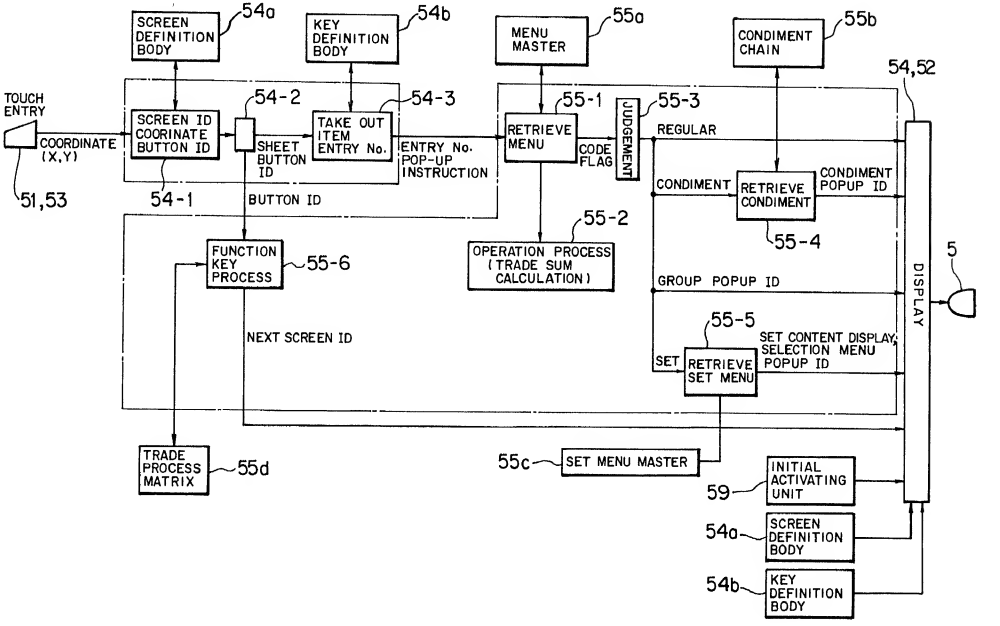
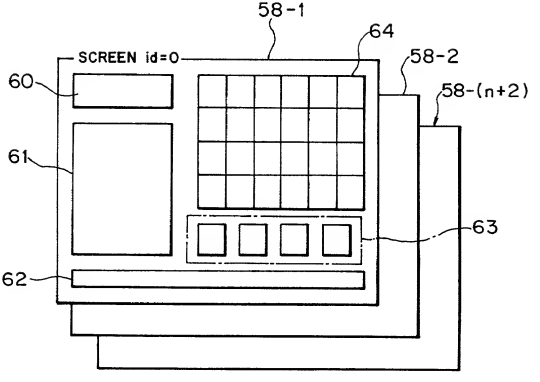


FIG. 14



TOSTO 0584,0660

FIG. 15

54a-1

COMMON HEADER	SCREEN INFORMATION	ENTIRE SCREEN/POPUP/TEXT/BUTTON/SHEET
	SCREEN ID OR CONTROL ID	UNIQUE FOR EACH SCREEN
	DISPLAY LOCATION ON SCREEN	X-COORDINATE ON THE UPPER LEFT (CHARACTER UNIT)
	DISPLAY LOCATION ON SCREEN	Y-COORDINATE ON THE UPPER LEFT (CHARACTER UNIT)
	SCREEN SIZE	SIZE IN X-DIRECTION (CHARACTER UNIT)
	SCREEN SIZE	SIZE IN Y-DIRECTION (CHARACTER UNIT)
	SCREEN VALID FLAG	
SCREEN OFFSET INFORMATION	OFFSET OF TEXT CONTROL ON THE SAME SCREEN	
	OFFSET OF BUTTON CONTROL ON THE SAME SCREEN	
	OFFSET OF SHEET BUTTON ON THE SAME SCREEN	
	OFFSET OF SHEET TEXT ON THE SAME SCREEN	
	OFFSET OF THE NEXT SCREEN	

DEFINITION OF ENTIRE SCREEN

THE FOLLOWING SECTIONS CAN BE ARRANGED ON THE ENTIRE DEFINITION SCREEN:

① TEXT SECTION
② SHEET TEXT SECTION
③ LIST SECTION
④ SHEET BUTTON SECTION
⑤ BUTTON SECTION

EACH SECTION CAN DEFINE DETAIL INFORMATION

FIG. 16

54a-2

COMMON HEADER	SCREEN INFORMATION	TEXT/LIST
	SCREEN ID OR CONTROL ID	UNIQUE FOR EACH SCREEN
	LOCATION OF SCREEN DISPLAY	X-AND Y-COORDINATES ON THE LEFT UPPER CORNER
	SCREEN SIZE	SIZES IN THE X-AND Y-DIRECTIONS
SCREEN INFORMATION	BACKGROUND COLOR	
	CHARACTER COLOR	
	CHARACTER CHAIN SIZE	
	OFFSET OF CHARACTER CHAIN DATA	

FIG. 17

54a-3

COMMON HEADER	SCREEN INFORMATION	BUTTON
	SCREEN ID OR CONTROL ID	UNIQUE FOR EACH SCREEN
	LOCATION OF SCREEN DISPLAY	X-AND Y-COORDINATES ON THE LEFT UPPER CORNER
	SCREEN SIZE	SIZES IN THE X-AND Y-DIRECTIONS
	BACKGROUND COLOR	
	CHARACTER COLOR	
	CHARACTER CHAIN SIZE	
	OFFSET OF CHARACTER CHAIN DATA	
	NOTICE INFORMATION 1	
	NOTICE INFORMATION 2	

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FIG. 18

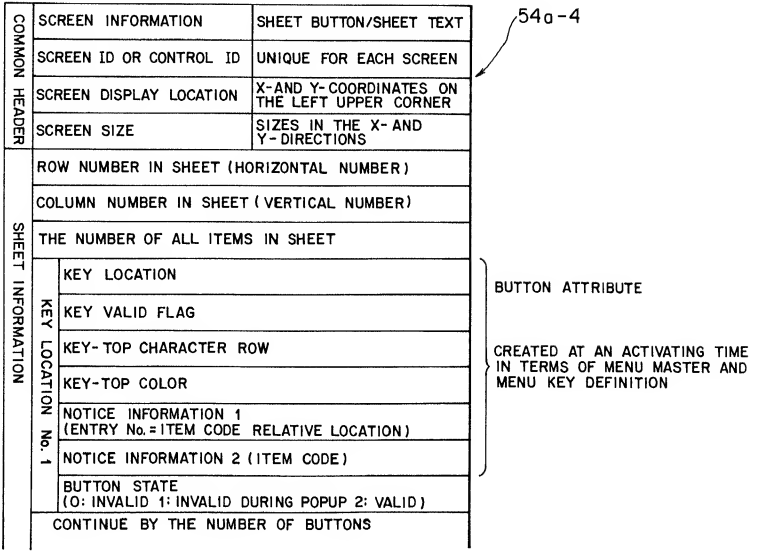


FIG. 19

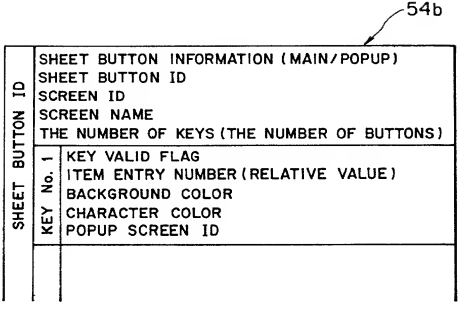

54b
SHEET BUTTON ID
SHEET BUTTON INFORMATION (MAIN/POPUP)
SHEET BUTTON ID
SCREEN ID
SCREEN NAME
THE NUMBER OF KEYS (THE NUMBER OF BUTTONS)
KEY No. 1
KEY VALID FLAG
ITEM ENTRY NUMBER (RELATIVE VALUE)
BACKGROUND COLOR
CHARACTER COLOR
POPUP SCREEN ID

FIG. 20

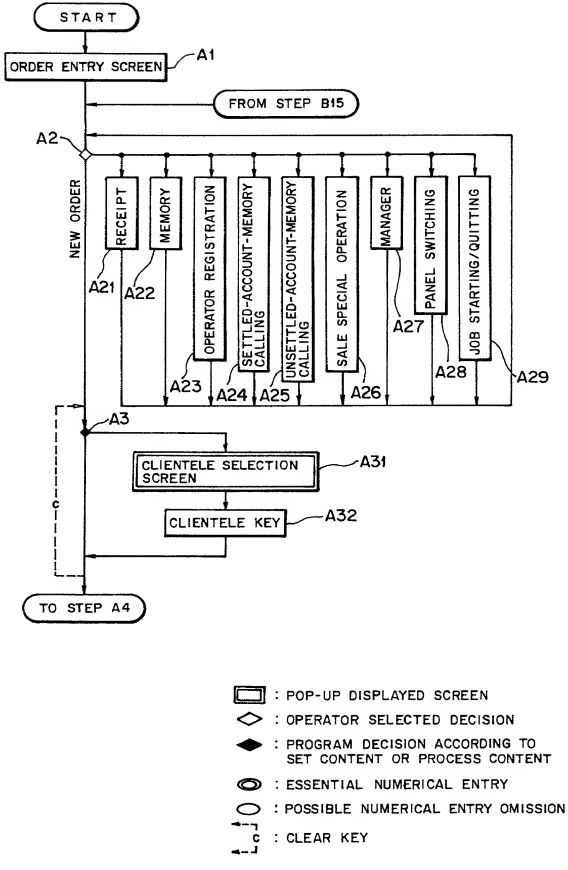

START
ORDER ENTRY SCREEN
A1
FROM STEP B15
A2
NEW ORDER
RECEIPT
MEMORY
OPERATOR REGISTRATION
SETTLED-ACCOUNT-MEMORY CALLING
UNSETTLED-ACCOUNT-MEMORY CALLING
SALE SPECIAL OPERATION
MANAGER
PANEL SWITCHING
JOB STARTING/QUITTING
A21
A22
A23
A24
A25
A26
A27
A28
A29
A3
CLIENTELE SELECTION SCREEN
A31
C
CLIENTELE KEY
A32
TO STEP A4
: POP-UP DISPLAYED SCREEN
: OPERATOR SELECTED DECISION
: PROGRAM DECISION ACCORDING TO SET CONTENT OR PROCESS CONTENT
: ESSENTIAL NUMERICAL ENTRY
: POSSIBLE NUMERICAL ENTRY OMISSION
C : CLEAR KEY

FIG. 21

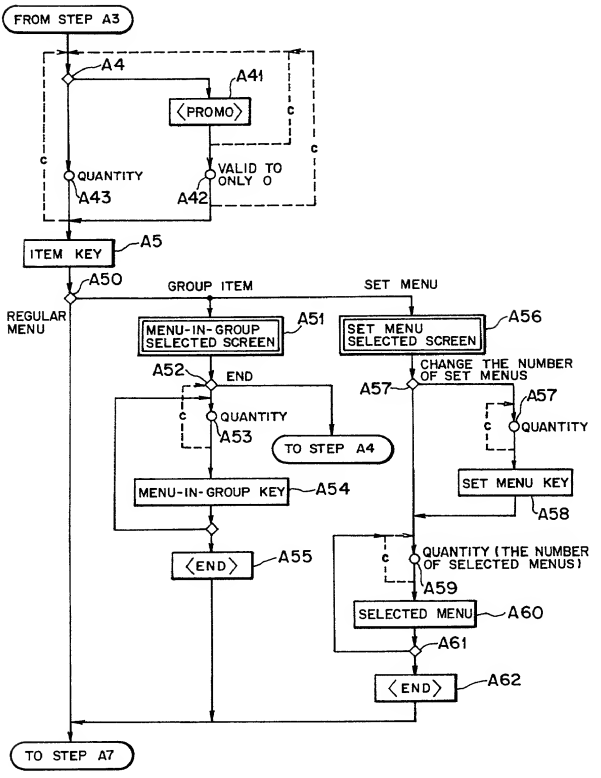

FROM STEP A3
A4
A41
〈PROMO〉
C
QUANTITY
A43
VALID TO ONLY O
A42
ITEM KEY
A5
A50
GROUP ITEM
SET MENU
REGULAR MENU
MENU-IN-GROUP SELECTED SCREEN
A51
SET MENU SELECTED SCREEN
A56
A52
END
CHANGE THE NUMBER OF SET MENUS
A57
QUANTITY
A53
TO STEP A4
MENU-IN-GROUP KEY
A54
SET MENU KEY
A58
〈END〉
A55
QUANTITY (THE NUMBER OF SELECTED MENUS)
A59
SELECTED MENU
A60
A61
〈END〉
A62
TO STEP A7

FIG. 22

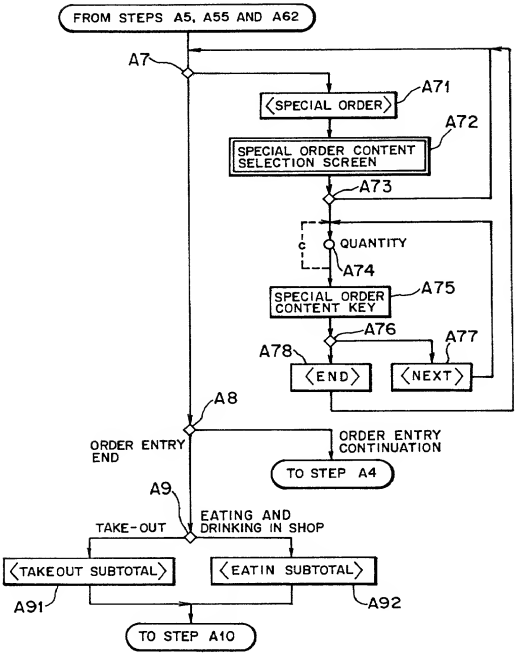

FROM STEPS A5, A55 AND A62
A7
A71
〈SPECIAL ORDER〉
A72
SPECIAL ORDER CONTENT SELECTION SCREEN
A73
QUANTITY
A74
A75
SPECIAL ORDER CONTENT KEY
A76
A77
A78
〈END〉
〈NEXT〉
A8
ORDER ENTRY END
ORDER ENTRY CONTINUATION
TO STEP A4
A9
TAKE-OUT
EATING AND DRINKING IN SHOP
〈TAKEOUT SUBTOTAL〉
〈EATIN SUBTOTAL〉
A91
A92
TO STEP A10

FIG. 23

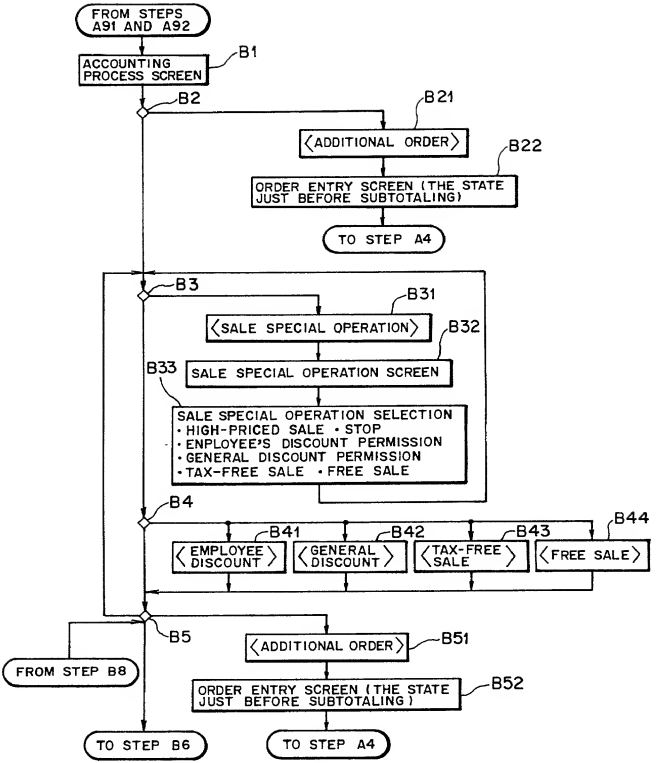

FROM STEPS A91 AND A92
ACCOUNTING PROCESS SCREEN
B1
B2
B21
〈ADDITIONAL ORDER〉
B22
ORDER ENTRY SCREEN (THE STATE JUST BEFORE SUBTOTALING)
TO STEP A4
B3
B31
〈SALE SPECIAL OPERATION〉
B32
B33
SALE SPECIAL OPERATION SCREEN
SALE SPECIAL OPERATION SELECTION
• HIGH-PRICED SALE • STOP
• ENPLOYEE'S DISCOUNT PERMISSION
• GENERAL DISCOUNT PERMISSION
• TAX-FREE SALE • FREE SALE
B4
B41
B42
B43
B44
〈EMPLOYEE DISCOUNT〉
〈GENERAL DISCOUNT〉
〈TAX-FREE SALE〉
〈FREE SALE〉
B5
〈ADDITIONAL ORDER〉
B51
FROM STEP B8
ORDER ENTRY SCREEN (THE STATE JUST BEFORE SUBTOTALING)
B52
TO STEP B6
TO STEP A4

FIG. 24

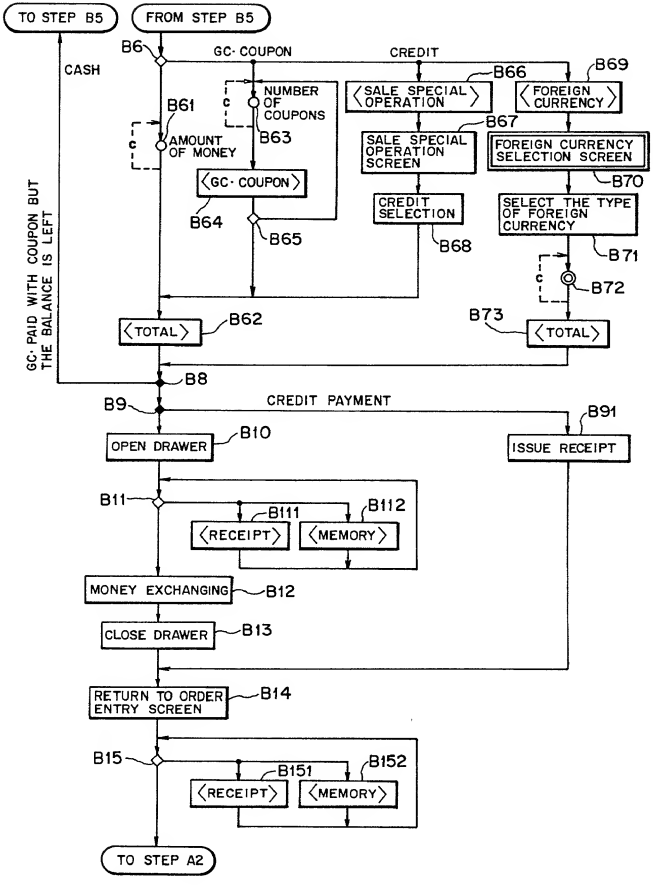

TO STEP B5
FROM STEP B5
B6
GC-COUPON
CREDIT
CASH
B66
B69
〈SALE SPECIAL OPERATION〉
〈FOREIGN CURRENCY〉
NUMBER OF COUPONS
B61
B63
AMOUNT OF MONEY
B67
SALE SPECIAL OPERATION SCREEN
FOREIGN CURRENCY SELECTION SCREEN
〈GC-COUPON〉
B70
B64
B65
CREDIT SELECTION
SELECT THE TYPE OF FOREIGN CURRENCY
B68
B71
B72
GC-PAID WITH COUPON BUT THE BALANCE IS LEFT
〈TOTAL〉
B62
B73
〈TOTAL〉
B8
B9
CREDIT PAYMENT
B91
OPEN DRAWER
B10
ISSUE RECEIPT
B11
B111
B112
〈RECEIPT〉
〈MEMORY〉
MONEY EXCHANGING
B12
CLOSE DRAWER
B13
RETURN TO ORDER ENTRY SCREEN
B14
B15
B151
B152
〈RECEIPT〉
〈MEMORY〉
TO STEP A2

FIG. 25

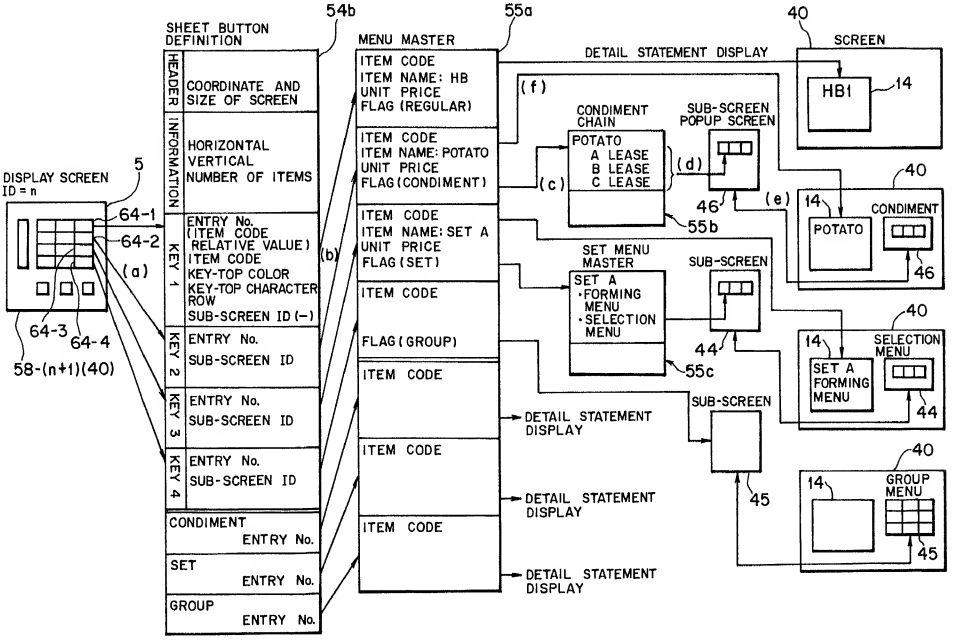

SHEET BUTTON DEFINITION
54b
HEADER
COORDINATE AND SIZE OF SCREEN
INFORMATION
HORIZONTAL
VERTICAL
NUMBER OF ITEMS
KEY 1
ENTRY No.
(ITEM CODE
RELATIVE VALUE)
ITEM CODE
KEY-TOP COLOR
KEY-TOP CHARACTER ROW
SUB-SCREEN ID (-)
KEY 2
ENTRY No.
SUB-SCREEN ID
KEY 3
ENTRY No.
SUB-SCREEN ID
KEY 4
ENTRY No.
SUB-SCREEN ID
CONDIMENT
ENTRY No.
SET
ENTRY No.
GROUP
ENTRY No.
DISPLAY SCREEN
ID = n
5
64-1
64-2
(a)
64-3
64-4
58-(n+1)(40)
(b)
MENU MASTER
55a
ITEM CODE
ITEM NAME: HB
UNIT PRICE
FLAG (REGULAR)
ITEM CODE
ITEM NAME: POTATO
UNIT PRICE
FLAG (CONDIMENT)
ITEM CODE
ITEM NAME: SET A
UNIT PRICE
FLAG (SET)
ITEM CODE
FLAG (GROUP)
ITEM CODE
ITEM CODE
ITEM CODE
DETAIL STATEMENT DISPLAY
DETAIL STATEMENT DISPLAY
DETAIL STATEMENT DISPLAY
(f)
(c)
CONDIMENT CHAIN
POTATO
A LEASE
B LEASE
C LEASE
55b
(d)
SUB-SCREEN POPUP SCREEN
46
(e)
SET MENU MASTER
SET A
·FORMING MENU
·SELECTION MENU
55c
SUB-SCREEN
44
SUB-SCREEN
45
40
SCREEN
HB1
14
40
14
POTATO
CONDIMENT
46
40
14
SET A FORMING MENU
SELECTION MENU
44
40
14
GROUP MENU
45

FIG. 26

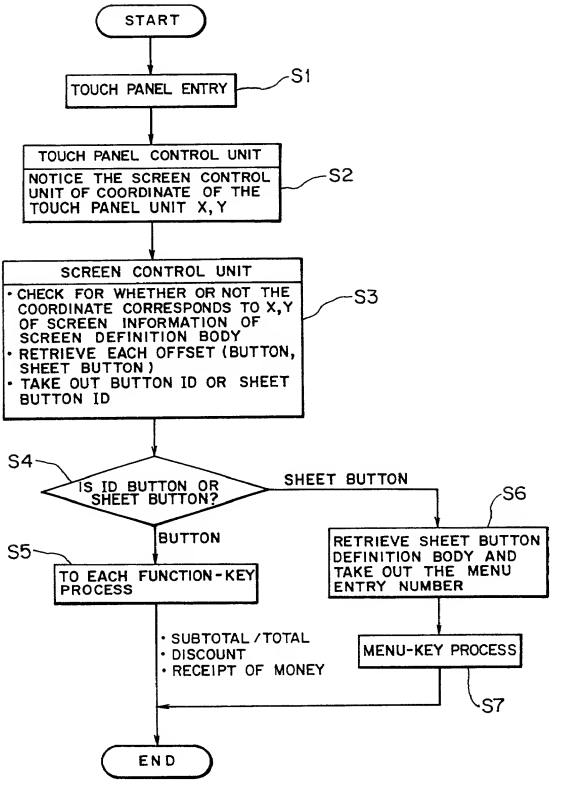
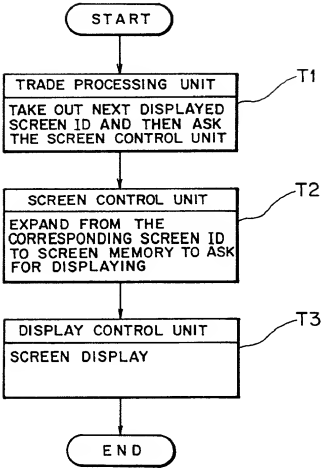

START
TOUCH PANEL ENTRY
S1
TOUCH PANEL CONTROL UNIT
NOTICE THE SCREEN CONTROL UNIT OF COORDINATE OF THE TOUCH PANEL UNIT X, Y
S2
SCREEN CONTROL UNIT
• CHECK FOR WHETHER OR NOT THE COORDINATE CORRESPONDS TO X, Y OF SCREEN INFORMATION OF SCREEN DEFINITION BODY
• RETRIEVE EACH OFFSET (BUTTON, SHEET BUTTON)
• TAKE OUT BUTTON ID OR SHEET BUTTON ID
S3
S4
IS ID BUTTON OR SHEET BUTTON?
SHEET BUTTON
S6
BUTTON
S5
TO EACH FUNCTION-KEY PROCESS
RETRIEVE SHEET BUTTON DEFINITION BODY AND TAKE OUT THE MENU ENTRY NUMBER
• SUBTOTAL / TOTAL
• DISCOUNT
• RECEIPT OF MONEY
MENU-KEY PROCESS
S7
END

FIG. 27


START
TRADE PROCESSING UNIT
TAKE OUT NEXT DISPLAYED SCREEN ID AND THEN ASK THE SCREEN CONTROL UNIT
T1
SCREEN CONTROL UNIT
EXPAND FROM THE CORRESPONDING SCREEN ID TO SCREEN MEMORY TO ASK FOR DISPLAYING
T2
DISPLAY CONTROL UNIT
SCREEN DISPLAY
T3
END

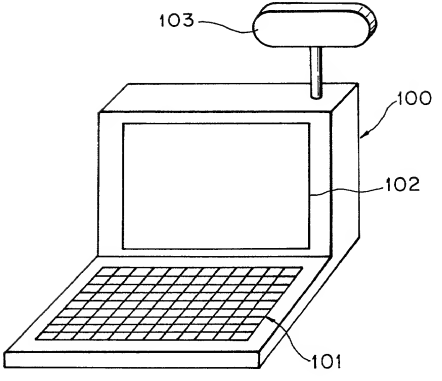



FIG. 28